

1 CLAIMS

2 What is claimed is:

3

4 1. A method comprising:

- 5 a. storing, in a receiver, an information resource  
6 identified by a first resource identifier;  
7 b. monitoring a data service channel of a broadcast  
8 signal for a script trigger, wherein the script  
9 trigger includes a second resource identifier and  
10 a script; and  
11 c. executing the script on the receiver, upon  
12 receipt of the script trigger, if the second  
13 resource identifier matches the first resource  
14 identifier of the information resource.

15  
16 2. The method of Claim 1, further comprising displaying  
17 the information resource stored in memory.

18  
19 3. The method of Claim 1, wherein the information  
20 resource is a Web page.

21  
22 4. The method of Claim 1, wherein the information  
23 resource comprises tags that define a context of the  
24 resource, and wherein the script modifies the context.

25  
26 5. The method of Claim 4, wherein the Web page further  
27 includes a second script.

28  
29 6. The method of Claim 1, wherein the script is a  
30 fragment of a second script resident on the  
31 information resource.

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- 1 7. The method of Claim 6, wherein the script fragment  
2 comprises a command to the second script.  
3
- 4 8. The method of Claim 1, further comprising displaying a  
5 video portion of the broadcast signal, wherein the  
6 script trigger synchronizes the information resource  
7 with the video portion of the broadcast signal.  
8
- 9 9. The method of Claim 1, wherein the broadcast signal  
10 comprises video data, and wherein the script trigger  
11 induces an enhancement of the information resource.  
12
- 13 10. The method of Claim 1, wherein the first and second  
14 resource identifiers are URLs.  
15
- 16 11. A method for synchronizing a broadcast signal and an  
17 information resource simultaneously residing on a  
18 plurality of remote receivers, the method comprising:  
19 a. embedding a script trigger in a data service  
20 channel of the signal, the script trigger  
21 including:  
22 i. a resource identifier unique to the  
23 information resource; and  
24 ii. a script for updating the information  
25 resource; and  
26 b. broadcasting the signal.  
27
- 28 12. The method of Claim 11, wherein the signal is  
29 broadcast to a second plurality of receivers in  
30 addition to the first-mentioned plurality of  
31 receivers, and wherein the information resource does  
32 not reside on the second plurality of receivers.

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- 2 13. The method of Claim 11, wherein the data service
- 3 channel is a captioning service channel.
- 4
- 5 14. The method of Claim 11, wherein the information
- 6 resource includes a second script, and wherein the
- 7 first-mentioned script passes a value to the second
- 8 script.
- 9
- 10 15. The method of Claim 11, wherein the broadcast signal
- 11 is a National Television Standards Committee (NTSC)
- 12 video signal including a text or data-service channel.
- 13
- 14 16. The method of Claim 15, wherein the data service
- 15 channel is line 21 of the NTSC video signal.
- 16
- 17 17. The method of Claim 11, wherein the broadcast video
- 18 signal is selected from a group consisting of Phase
- 19 Alternate Lines (PAL), Sequential Couleur Avec Memoire
- 20 (SECAM), High Definition Television (HDTV), a Digital
- 21 Video Broadcasting (DVB) signal, or an Advanced
- 22 Television Systems Committee (ATSC) signal.
- 23
- 24 18. The method of Claim 11, further comprising generating
- 25 a checksum for the resource identifier and the script
- 26 and inserting the checksum into the script trigger.
- 27
- 28 19. A method comprising:
- 29 a. embedding a script trigger in a data service
- 30 channel of a video signal, the data service
- 31 channel selected from a captioning service
- 32 channel or a text service channel, the script

1 trigger complying with a predetermined syntax and  
2 including a resource identifier and a script; and  
3 b. broadcasting the video signal.

4  
5 20. A machine-readable medium having stored thereon data  
6 representing sequences of instructions, wherein the  
7 instructions, when executed by a processor, cause the  
8 processor to:

9 a. embed a script trigger in a data service channel  
10 of a signal, the script trigger including:

11 i. a resource identifier unique to an  
12 information resource; and

13 ii. a script for updating the content of the  
14 information resource; and

15 b. broadcast the signal.

16  
17 21. A machine-readable medium having stored thereon data  
18 representing sequences of instructions, wherein the  
19 instructions, when executed by a processor, cause the  
20 processor to:

21 a. display an information resource identified by a  
22 first resource identifier;

23 b. monitor a data service channel of a broadcast  
24 video signal for a script trigger, wherein the  
25 script trigger includes a second resource  
26 identifier and a script; and

27 c. execute the script, upon receipt of the script  
28 trigger, if the second resource identifier  
29 matches the first resource identifier of the  
30 information resource.

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1 22. The machine-readable medium of Claim 21, wherein the  
2 information resource is a Web page.

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4 23. The machine-readable medium of Claim 21, wherein the  
5 instructions cause the process to display a video  
6 portion of the broadcast video signal, and wherein  
7 executing the script trigger synchronizes the  
8 information resource with the video portion of the  
9 broadcast video signal.

10

11 24. The machine-readable medium of Claim 21, wherein the  
12 first and second resource identifiers are URLs.

13

14 25. The machine-readable medium of Claim 21, wherein the  
15 information resource includes a second script, and  
16 wherein the instructions cause the process to pass a  
17 value to the second script upon receipt of the script  
18 trigger.

19

20 26. An appliance comprising:

21 a. a video display adapted to display a video image  
22 and an information resource identified by a first  
23 resource identifier;

24 b. means for monitoring a data service channel of a  
25 broadcast video signal for a script trigger,  
26 wherein the script trigger includes a second  
27 resource identifier and a script; and

28 c. means for executing the script, upon receipt of  
29 the script trigger, if the second resource  
30 identifier matches the first resource identifier.